



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>MINNESOTA, Southeast</u>									
Wabasha County									
Lake City	09	1525CST			0	0	3.5K		Thunderstorm Wind (EG52)
Wabasha County									
7 SE Lake City	09	1530CST			0	0	1K		Thunderstorm Wind (EG52)
Wabasha County									
Kellogg	09	1540CST			0	0	2K		Thunderstorm Wind (EG54)
Dodge County									
3 NW Dodge Center	09	1641CST			0	0	0.50K		Thunderstorm Wind (EG56)
Winona County									
Pickwick	09	1716CST			0	0			Hail(0.75)
Wind gusts of 60 to 65 mph, along with penny size hail, was reported by amateur radio operators, law enforcement officials and spotters. Several trees were knocked down in and around Lake City (Wabasha County). The roof of a convenience store in Kellogg (Wabasha County) sustained minor damage due to the thunderstorm winds.									
Mower County									
4 N Dexter	18	1150CST 1151CST	0.1	20	0	0	6K		Tornado (F0)
Mower County									
3 NW Grand Meadow	18	1220CST			0	0			Funnel Cloud
Mower County									
Racine	18	1230CST			0	0			Funnel Cloud
Winona County									
Stockton	18	1315CST			0	0			Hail(0.88)
Winona County									
Winona	18	1315CST			0	0	2.5K		Thunderstorm Wind (EG61)
Law enforcement officials reported a tornado touched down briefly just north of Dexter (Mower County), damaging a livestock building and flattening corn. Funnel clouds were also sighted elsewhere around Mower County, but none of these touched down. In Winona (Winona County), the emergency manager reported trees down and damage to trailers at a campground									
<u>WISCONSIN, Southwest</u>									
Taylor County									
Gilman	09	1353CST			0	0	1.5K	3.5K	Hail(1.00)
Taylor County									
4 N Lublin	09	1413CST			0	0			Hail(0.75)
Taylor County									
3 W Stetsonville	09	1443CST			0	0	1K	5K	Hail(1.75)
Taylor County									
6 S Medford	09	1455CST			0	0			Hail(0.75)
Taylor County									
4 S Stetsonville	09	1456CST			0	0			Funnel Cloud
Taylor County									
Stetsonville	09	1500CST			0	0			Hail(0.75)
Taylor County									
Stetsonville	09	1500CST			0	0	0.50K		Thunderstorm Wind (EG52)
Clark County									
4 W Dorchester	09	1508CST			0	0			Hail(0.75)



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<u>WISCONSIN, Southwest</u>									
Clark County Abbotsford	09	1530CST			0	0	1.3K	2.5K	Thunderstorm Wind (EG54)
Buffalo County Nelson	09	1532CST			0	0	1K	2.5K	Thunderstorm Wind (MG68)
Clark County 2 W Colby	09	1542CST			0	0			Hail(0.75)
Buffalo County 6 S Mondovi	09	1600CST			0	0			Hail(0.75)
Trempealeau County Whitehall	09	1625CST 1635CST			0	0	3K	5K	Thunderstorm Wind (EG65)
Jackson County Black River Falls	09	1645CST			0	0	1.5K		Thunderstorm Wind (EG61)
Jackson County Disco	09	1645CST			0	0	0.80K		Thunderstorm Wind (EG61)
Clark County 5 SW Neillsville	09	1700CST			0	0	0.30K		Thunderstorm Wind (EG62)
Monroe County 4 SE Sparta	09	1720CST			0	0	0.60K		Thunderstorm Wind (EG61)
Monroe County Norwalk	09	1722CST			0	0	0.70K		Thunderstorm Wind (EG61)
La Crosse County Barre Mills	09	1735CST			0	0	0.20K		Thunderstorm Wind (MG56)
Juneau County Necedah	09	1745CST			0	0			Thunderstorm Wind (EG52)
Juneau County 6 SE Necedah	09	1753CST			0	0	3K		Thunderstorm Wind (EG65)
Adams County 6 SW Adams	09	1810CST			0	0	0.50K		Thunderstorm Wind (EG57)
Law enforcement officials, amateur radio operators and storm spotters reported hail ranging in size from pennies to as large as golf balls. In addition, there were numerous reports of 60 to 80 mph winds, which knocked down trees and power lines									
Trempealeau County 5 W Centerville	18	1318CST 1319CST	0.1	25	0	0	1.5K		Tornado (F0)
Vernon County 3.2 W Esofea to 2 W Esofea	18	1446CST 1448CST	1.2	25	0	1	150K	50K	Tornado (F1)
Vernon County 2 W Liberty to 5 E Liberty	18	1505CST 1517CST	7	40	0	0	800K	193.9K	Tornado (F2)
Richland County Viola to 1 W Hub City	18	1517CST 1540CST	13	40	0	3	2.5M	75K	Tornado (F2)
Grant County Muscoda to 2 NE Muscoda	18	1540CST 1545CST	2	30	0	0	100K	20K	Tornado (F1)
Richland County Orion to 2 NE Orion	18	1545CST 1550CST	2	25	0	0	100K	25K	Tornado (F0)



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WISCONSIN, Southwest

Monroe County

4.5 E Tomah to 8 ENE Tomah	18	1554CST 1603CST	4	25	0	0	40.5K	10K	Tornado (F1)
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Juneau County

12 W Necedah to 6 NW Necedah	18	1603CST 1615CST	6	25	0	0	100K	25K	Tornado (F1)
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Adams County

11 S Adams to 10.5 SSW Adams	18	1639CST 1641CST	0.8	30	0	0	5K		Tornado (F1)
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Adams County

4 N Plainville	18	1648CST			0	0			Thunderstorm Wind (EG61)
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Adams County

2 E Grand Marsh	18	1652CST			0	0			Thunderstorm Wind (EG61)
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Six tornadoes affected southwest Wisconsin, which was part of an all-time one day record of 27 tornadoes hitting the state. The first tornado touched down briefly just west of Centerville (Trempealeau County). The only damage reported with this tornado was several trees knocked down just north of Highway 35 along County Road G. A second and stronger tornado occurred just north of County Highway KK, or just west of Esofea (Vernon County). There was tree, agricultural and structural damage. A mobile home, which was on cement blocks, was completely destroyed. The occupant of the mobile home was taken to a hospital with minor injuries. Another residence sustained minor damage, with windows blown out, outbuildings destroyed and a car turned 90 degrees. Power poles were snapped, corn was flattened and there was significant tree damage. The third and strongest tornado touched down just west of Liberty (Vernon County), then tracked along a continuous path just north of Highway 56, to the northern most block of the town of Viola (Richland County). Three people were reported injured in Viola and almost every tree in the town was damaged or downed. Most homes in the village had at least minor damage, while a few sustained major damage, including roofs blown off. Many garages facing west or southwest were destroyed by the direct impact of the winds. Wind speeds associated with the tornado were estimated at 100 to 120 mph. The tornado path became more sporadic as it moved east of Viola across northern Richland County. The damage path extended from just north of County Highway MM and Highway 56 into Bloom City (Richland County), which apparently took a direct hit from the storm. The tornado continued on an east-southeast track, before lifting just west of Hub City (Richland County). A fourth tornado touched down along County Road N, or just east of the location where Interstate 90 and 94 split in eastern Monroe County. This tornado continued on a 10 mile track into Juneau County, ending just west of the Necedah Wildlife Refuge Headquarters. There was tree, agricultural and structural damage. A home, which was under construction, was completely destroyed. Three other homes sustained minor damage. Corn was flattened and there was significant tree damage as well. A fifth tornado touched down in the town of Muscoda (Grant County) causing minor damage to homes, but knocking down or shearing off numerous trees. This tornado crossed the Wisconsin River into the small community of Orion (Richland County). Several mobile homes were damaged, including several reportedly tossed into the air. Many trees were damaged there as well. The sixth and final tornado briefly touched down near the intersection of Highway 82 and 13 in Adams County. Mobile homes were damaged, along with nearby trees. Richland and Vernon County were declared federal disaster areas.